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Excussum Londini in officina Joan. Daij Typographi. Anno, 1559

This is one of the rarest, as well as one of the earliest, English books on science, and one of the finest specimens of early English typography. The fine woodcuts, some of which are by the author himself, illustrate early astronomical and surveying instruments, and include one which the author claims to have invented himself (pp. 86-7), with an illustration of it. The Second Booke shows 'sundry waies for th' exacte findyng out of the Meridian Line, the Longitude, Latitude,' etc., and pp. 160-1 contain one of the earliest descriptions of the magnetic needle. Of special interest are pp. 200-2, which give 'A particular Description of suche partes, of America, as are by trauaile founde out,' mentioning 'It taketh the name of America, of Americus Vesputius, who by the comaundment of Ferdinando king of Castell, founde it out, in the yeare of Christe our Saviour, 1497, about th' ende of June.' There is no word of the discovery by Columbus in this account. The inhabitants are described as 'filthy at meate & in all secret actes of nature comparable to brute beastes. Their bread is rotes & theyr meate mans fleshe, for all theyr enemies, which they ouercome, they with great bankettyng deuoure,' etc., etc., etc.

The work is excessively rare. No copy can be traced of having been sold since 1925, when one in a modern binding fetched £500 at auction. The portrait and plan of Norwich, contained above, are missing in most copies.

EARLY PRINTED BOOKS:

19 **COMES (Natalis ;** *vere* NOEL CONTI) MYTHOLOGIÆ, sive Explicationum Fabularum Libri X, in quibus omnia prope Naturalis & Moralis Philosophiæ Dogmata sub Antiquorum Fabulis contenta fuisse demonstratur, cum locupletissimis Indicibus ; *with printer's device on title and last l.*, 4to. *old hf. calf* (*slightly rubbed, otherwise a sound and clean copy*), £1. 15*s*
Venetiis, 1568

20 **COTTA (John,** M.D.) The INFALLIBLE TRUE and ASSURED WITCH : or the Second Edition of the Tryall of Witch-Craft, shewing the right and true Methode of the Discoverie with a Confutation of erroneous Waies, carefully reviewed and more fully cleared and augmented, sm. 4to. (pp. xvi + 155, with Errata Leaf at end), *contemporary limp vellum* (*title and next leaf stained, and last* 5 *ll. mended*), £5. 5*s* 1625

'The work by which Cotta is best remembered . . . . The erroneous ways confuted by Cotta are those by means of fire and water and the like, which are convincingly shown to be foolish and misleading.'—*D.N.B.*

This second edition differs from the first in only a few minor particulars.

21 **COURTENAY FAMILY :** De STIRPE et ORIGINE DOMUS de COURTENAY, quæ coepita Ludovico Crasso Huius nominis sexto Francorum Rege Sermocinatio. Cui inserti sunt Supplices libell i Reg i ad hanc rem oblati, una cum repræsentatione iuris & meritorum presentis instantiæ. Addita sunt responsa celeberrimorum Europæ Juris consultorum ; *with folding pedigree* (*MS. copy*), thick 8vo. *contemporary vellum* (*back, and with it, inner blank margins of some ll. damaged by small bomb splinter during an air raid in* 1941, *otherwise a fine copy*), £7. 10*s* *Parisiis*, 1607

A very rare account of the ancient family of Courtenay, of which the English branch is represented by the Earls of Dorset, consisting of twenty-two separate pieces, the largest one of 298 pages, which is entitled : Dionysius Gothofredus I. C. primarius iuris professor Heidelbergue' [*sic*]. Gibbon, who devotes a long section to the Courtenays in his *Roman Empire*, does not quote the work, which seems to have been unknown to him. Brunet states that 'R. Heber [1773-1833] avait réuni jusqu'à 4 exemplaires de ce volume réputé très-rare, lesquels ont été vendus separément, £3. 3*s*, £1. 18*s* et £1. 18*s*.'

The same authority mentions the sale price of 49 fr. for the Martainville copy, containing 20 separate pieces, or two less than the above copy. Copies very rarely occur for sale, only one can be traced as having been sold by auction during the last 35 years.

22 **CROMWELL (Oliver) :** [BETHEL (Slingsby)] The WORLD'S MISTAKE in OLIVER CROMWELL, or a short Political Discourse, shewing that Cromwells Mal-administration (during his Four Years and Nine Moneths pretended Protectorship) layed the Foundation of Our present Condition, in the DECAY of TRADE, sm. 4to. (pp. 20), *contemporary vellum cover from old MS. bill* (*very sound and clean copy*), £3. 3*s* 1668

'A severe censure of Cromwell's foreign policy, and of his conduct towards Lilburne and Sir Henry Vane.'—*D.N.B.*

24 **[DALLISON (Charles)]** The ROYALIST'S DEFENCE : vindicating the KING'S PROCEEDINGS in the late WARRE made against him, clearly discovering, how and by what Impostures the Incendiaries of these Distractions have subverted the knowne Law of the Land, the Protestant Religion, and reduced the people to an unparallel'd SLAVERY, sm. 4to. (pp. 142), *new brown polished calf, uncut, t.e.g.*, £3. 10*s* 1648

25 **DALTON (Michael)** The COUNTREY JUSTICE, containing the Practice of the Justices of the Peace out of their Sessions, Gathered for the better helpe of such Justices as have not been much conversant in the studie of the Lawes of this Realme, now for the SIXTH time published, revised and much inlarged, *title within elaborate woodcut border*, folio, *contemporary calf* (*rebacked*), £7. 10*s* *printed for the Company of Stationers*, 1635

'Of high repute in the seventeenth century, says the *D.N.B.*, which does not record the above edition, but mentions a fourth (!) (probably posthumous) in 1655, on the title of which, the *D.N.B.* erroneously states, the author is first described as 'one of the Masters of Chancerie.' In point of fact that claim is made in the addition of 1635 described above. Incidentally, according to *D.N.B.*, his name does not appear in Hardy's list of the Masters of Chancery.

26 **DIOGENES LAERTIUS :** The LIVES, OPINIONS, and REMARKABLE SAYINGS of the most famous ANCIENT PHILOSOPHERS, written in Greek by DIOGENES LAERTIUS, with the Lives of several other Philosophers written by Eunapius of Sardis, made English by several Hands, *with portrait*, 2 vols. post 8vo. *sprinkled calf, gilt backs, yellow edges* (*small worm-hole in title page and frontispiece of* V. 1, *otherwise a nice clean copy*), £3. 10*s* 1688-96

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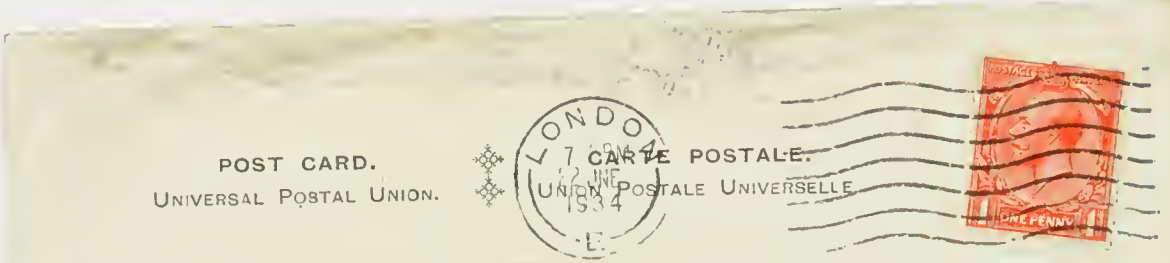

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Quæ autem parasti, cuius erunt? Luc. 12.

EXERCITATIO

ANATOMICA DE MOTV CORDIS ET SANGVINIS IN ANIMALIBVS,

GVILIELMI HARVEI ANGLI,

Medici Regii, & Professoris Anatomiæ in Collegio Medicorum Londinensi.

FRANCOFVRTI,
Sumptibus GVILIELMI FITZERI.
ANNO M. DC. XXVIII.

Facsimile of Title of Lot 62.

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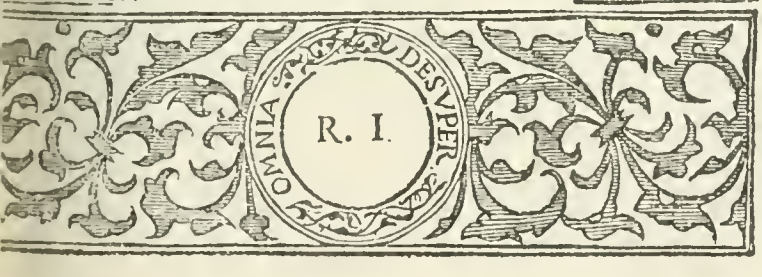
¶ The Birth of mankynde, otherwyse named the womans booke.

Newly set foorth, corrected, and augmented. Whose contentes ye may reade in the Table of the booke, and most plainely in the prologue.

By Thomas Raynalde Phisition.



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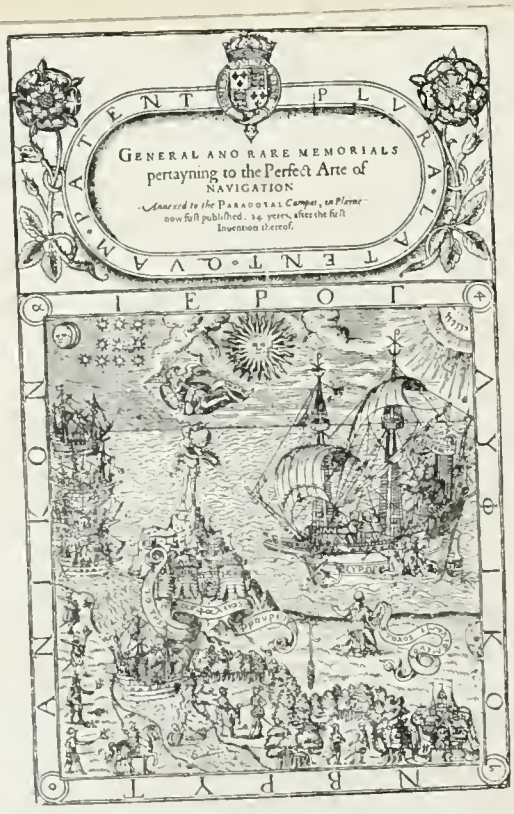
[1251] **HALE** (General John). **A Letter to the People of England,** recommending a simple, cheap, and effectual method of defending themselves and their Country, at this alarming juncture.

With frontispiece illustrating a proposed bayonet-pike.

First Edition. 8vo. Fine copy, unbound, uncut, sewn as issued.

London: for R. Faulder, 1781. **£3 10s**

Written during the American War of Independence, when there was evidently some fear of the Americans joining with the French and together invading Gt. Britain. A form of bayonet-pike is advocated as the best mode of defence.



John Dee's Arte of Navigation

[645] **CORYAT** (Thomas). **Coryats Crudities** hastily gobled up in five Moneths travells in France, Savoy, Italy, Rhelia comonly called the Grisons country, Helvetia alias Switzerland, some parts of high Germany, and the Netherlands; Newly digested in the hungry aire of Odcombe in the County of Somerset, and now dispersed to the nourishment of the travelling Members of this Kingdome. [Printed title] "Three Crude Veines are presented in this Booke following (besides the foresaid Crudities) no lesse flowing in the body of the Booke, than the Crudities themselves, two of Rhetoricke and one of Poesie," etc. Rare Engraved title by Wm. Hole, at the bottom of which is a small portrait of the author (very slightly shaved at the top), and engraved plates.

Excessively Rare First Edition.

Sm. 4to. Orig. calf, gilt back, with clasps (joint repaired).

London: Printed by W. S. Anno Domini 1611. £50

This very curious and rare volume is especially difficult to find in complete state. The above copy is complete, with all the plates. Owing to these latter being engraved larger than the volume they are usually defective. In this case these defects are as follows:—

At Page 262. The author with the Venetian courtezan (tear repaired).

At Page 311. Amphitheater of Verona (laid down and a little imperfect in the centre where once folded).

At Page 452. Strasbourg Clock (slightly shaved at the head).

One or two tears in the text have been carefully repaired.

This copy has the two errata leaves at the end, seldom found.

THE INVENTION OF POCKET WATCHES.

51 *COCHLAEUS, JO.* Cosmographia Pomponii Mele, parvo quodam Compendio aucta, quo Geographiae Principia generaliter comprehenduntur . . . Germaniae descriptio. . . .—(Nürnberg, H. Weyssenburger, 1512). 4to.—Goth. 58 leaves. With a full-page woodcut of the Armillary Sphere. Boards. £24.

To his commentary on Mela, which also contains a passage on America not noticed by Harrisse, Joh. Cochlaeus, who was a schoolmaster at Nürnberg, has added a "Brief Description of Germany," since the ancient Mela had little to say on that country.

Naturally, he devotes an entire chapter of six pages to Nürnberg, in which he praises the ingenuity and skill of the Nürnberg artists and craftsmen, and after enumerating Albert Dürer the painter, Peter Vischer the bronzefounder, and Erhart Etzlaub the map maker, he mentions "Petrus Hēlē" = Peter Henlein, who, "though still a young man turns out work which the most learned scientists are admiring. For out of a little steel he manufactures watches, made up of a number of small wheels, which, however you turn them, and without any weights, show and strike the time for 40 hours, even when carried in the bosom or in a pocket.

This passage is the earliest known reference to the invention of portable watches, which throughout the sixteenth century were known all over Europe as "Nürnberg Eggs."

97 FURNITURE. CHIPPENDALE (Thomas) THE GENTLEMAN AND CABINET-MAKER'S DIRECTOR. Being a large Collection of the most Elegant and Useful Designs of Household Furniture in the Gothic, Chinese and Modern Taste: including a great Variety of Book-Cases, Commodes, Library and Writing Tables, Buroes, Breakfast-Tables, Dressing and China Tables, China-Cases, Hanging-Shelves, Tea-Chests, Trays, Fire-screens, Chairs, Settees, Sopha's, Beds, Presses, Cloaths-Chests, Pier-Glass Sconces, Slab Frames, Brackets, Candle-Stands, Clock-Cases, Frets, and other Ornaments. With a short Explanation of the Five Orders of Architecture and Rules of Perspective; with proper Directions for executing the most difficult Pieces, the Mouldings being exhibited at large, and the Dimensions of each Design specified. *London, Printed for the Author, and sold at his House in St. Martin's Lane*, 1754. FIRST EDITION, folio, WITH 161 FINELY ENGRAVED PLATES *of Chippendale's designs for all varieties of furniture, etc., contemporary panelled calf, back very skilfully renewed, with original label replaced, apart from a crease in the title a* FINE COPY, *complete with half title*, £50

THE RARE FIRST EDITION of a celebrated book, including the 2 plates numbered "No. 25" (each different) and the misnumbered plates 88 and 111 as issued. The back has been renewed so skilfully in antique style that it is hardly noticeable.

57 CONJUROR'S MAGAZINE (The), OR, MAGICAL AND PHYSIOGNOMICAL MIRROR, from September, 1791, to July, 1793, in two volumes, with the Continuation from August, 1793, to January, 1794, now titled The Astrologer's Magazine £3 3s

3 vols, boards, uncut (corner of title to Vol. 3 torn). Diagrams and illustrations, but plates in vol. one missing.

463 **CHATTERTON (E. K.).** Ship-Models. Edited by Geoffrey Holme.
4to., *with* 142 *illustrations* (8 *coloured*) ; *small indelible name-stamp on title ; buckram, back-strip slightly faded. Studio,* 1923
VERY SCARCE. ONLY ONE THOUSAND COPIES PRINTED. **£7 10s. $30.00**

50 *CHASLES, MICHEL.* Bibliothèque scientifique, historique et littèraire. Paris, Claudin, 27 June, 1881. 8vo. Orig. wrappers. £—.10s.

Of the 3936 lots of this valuable sale cat., 3200 are books on the History of Science, Mathematics, Physics, Astronomy, Chemistry, etc. It contains the description of a great number of extraordinarily rare books in these fields of the XVth to the XVIIth century, some of which may have been unique.

[790] **CHARLETON** (Walter). **Chorea Gigantum:** or, the most famous antiquity of Great-Britain, vulgarly called Stone-heng, standing on Salisbury Plain, restored to the Danes.

With two woodcut plates.

Large Paper Copy of the First Edition.

Small 4to. Original calf (joint little cracked).

London: for Henry Herringman, 1663. **£12 10s**

With "Imprimatur" leaf before the title-page.

A very celebrated little work, intended to prove that Stonehenge was made by the Danes, and used by them as a place of assembly, and of the inauguration of kings.

"The 'Chorea Gigantum' will always be kept in memory by the fine epistle which John Dryden wrote in its praise, the noblest poem in which English science has been celebrated by an English poet."—D.N.B.

"The longest Tyranny that ever sway'd
Was that wherein our Ancestors betray'd
Their free-born Reason to the Stagirite,
And made his Torch their universal night." Etc.

47 *CAVALIERI, BONAVENTURA.* Trigonometria, plana et sphaerica, linearis et logarithmica. Bologna, 1643. 4to. With frontispice and one plate. Sewn. £1.1.

Cavalieri introduced the use of logarithms into Italy. The book contains "the author's discovery of the expression for the area of a spherical triangle in terms of the spherical excess."

48 *CAVALIERI, BONAVENTURA.* Exercitationes Geometricae Sex. Bologna, J. Montius, 1647. 4to. 6 ll. + 543 pp. With numerous diagrams. Sewn. £2.2.

First edition. This book contains the earliest demonstration of the theorems of Pappus, and the first determination of focal distances of glass lenses.

DISCOVERY OF THE COMPOSITION OF WATER.

49 *CAVENDISH, HENRY.* Experiments on Air. Phil. Trans., London, 1784-85. With folding plate. Boards. £4.15.

"The first experimental proof of the fact that when inflammable air (hydrogen) is burned in ordinary air, water is produced."

"Cavendish's greatest discovery was his determination of the composition of water. He was the first to prove that water is not a simple or elementary substance, as supposed by the ancients, but is a compound of hydrogen and oxygen." (*Sir Edw. Thorpe*).

These two important papers were read on January 15th, 1784, and June 2nd, 1785, before the Royal Society.

CATS (Jacob) **ALLE DE WERCKEN SO OUDEN ALS NIEUWEN.** *With engraved title, portrait of the author, 3 double-page plates, and very numerous fine copper cuts in the text (many circular within square frames), showing machines, occupations and diversions, monsters, etc.*, thick folio, *cont. vellum, red edges.* AMSTERDAM, *by Jan. Jacobsz Schipper,* 1658. SOUND CLEAN COPY £4/10/0

Familiarly known as "Cats' Emblems"; the second title reads "Emblemata Moralia et Oeconomica." The square cuts measure 5ins. each way, approximately, and the others 5¼ by 4¼ins. A curious and entertaining work.

Case

59 DESIGNERS, ETCHERS, &c.—The Case of designers, Engravers, Etchers, &c. stated in a letter to a Member of Parliament. 7 pages folio. 18th Century.

Shows how the shopkeepers defraud designers and others of the reward to which their labour and their brains entitle them.

Signed in pencil "J. H." A well-written and interesting letter. 10/-

46 *CASTELLI, BENEDETTO.* Della Misura dell'Acque Correnti. Rome, nella Stamparia Camerale, 1628. 4to. With a fine engraved title, a second title (p. 43), with the Barberini arms and several diagrams. Old limp vellum, gilt, with the Barberini bees in the four corners of both covers. £5.5.

Original edition. Castelli (1577-1644), Professor of Mathematics at Rome, was a close friend of Galilei and Torricelli's teacher. His treatise on the speed of liquids in channels and on the measurement of that speed is the first containing the well-known theorem in hydraulics known by the author's name.

The book is dedicated to Pope Urban VIII. and is in a nice Barberini binding. Small marginal stain on the first four leaves.

40 *CAPO BIANCO, ALESSANDRO.* Corona e Palma Militare di Artiglieria, nellaquale si tratta dell' Inventione di essa . . . & d'un Nuovo Instrumento per misurare distanze. Con una giunta della Fortificatione moderna . . . Venice, F. Bariletti, 1602. Fol. 4 + 58 leaves. With large woodcut on title showing the author with instruments, plans and cannon, and 96 woodcuts in the text. Contemp. vellum dyed green, with arms gilt on sides. £6.6.

The first book to recommend the use of cartridges in cannon to supersede the difficult, tedious and dangerous earlier method of loading with loose powder, and also interesting for the description of a remarkable measuring instrument, consisting of five component parts, invented by the author. The woodcuts show for the most part cannon and their construction, their correct positions for the bombardment of certain objectives, and plans of fortifications. Six woodcuts illustrate the measuring instrument and its use for calculating heights, depths and distances.

117 [CARTWRIGHT (Rev. Edmund, D.D.) Constantia, an Elegy, To the Memory of a Lady lately deceased. 4°. 1768.

Cartwright was the inventor of the power-loom and wool-combing machine. According to Watt this poem was written in memory of Mrs. Langhorne.

Has the half-title. Unbound. 10/-

43 *CARNOT, L. N. M.* Géometrie de Position. Paris, 1803. 4to. 22 ll. + 489 pp. With 15 folding plates. Half calf. £2.15.

Original edition. "By his effort to explain the meaning of the negative sign in geometry Carnot established a geometry of position." (*Cajori*).

It contains an elaborate discussion of the geometrical meaning of negative roots of an algebraic equation.

316 **CAMPBELL** (C.), **J. WOOLFE,** and **J. GANDON.** Vitruvius Britannicus, or the British Architect, containing the Plans, Elevations, and Sections of the regular Buildings, both publick and private, in Great Britain. With variety of new Designs. Drawn either from the Buildings themselves, or the original Designs of the Architects.

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13 Book (A) Drawing, limning, washing or colouring of maps and prints: and the art of painting, with names and mixtures of colours used by the picture-drawers. Or, The young man's time well spent. In which he hath the groundwork to make him fit for doing any thing by hand, when he is able to draw well. By the use of this work, you may draw all parts of a man, leggs, arms, hands and feet, severally and together. And directions for birds, beasts, landskips, ships, and the like. Moreover, grounds to lay silver or gold upon; and how silver or gold shall be laid or limned upon size; and the way to temper gold and silver, and other mettals, and divers kinds of colours to write, or to limne withall upon vellum, parchment, or paper, and how to lay them upon the work which thou intendest to make; and how to varnish it when thou hast done. How also to diaper and shadow things, and to heighten them to stand off; to deepen them and make them glister. In this book you have the necessary instruments for drawing, and the use of them; and how to make artificiall pastiles to draw withall. Very usefull for all handicrafts, and ingenuous gentlemen and youths. By hammer and hand, all arts doe stand. Infoelix qui pauca capit, spernit que (*sic*) doceri. Folio (10⅝ by 7 in.), 5 pp., 1 p., ll. 2-20 (A-L2), numerous diagrams, calf. £29 0 0 *M[atthew] Simmons for Thomas Jenner: London,* 1656

∴ Plomer's *Dict. of Booksellers,* 164.

596 **BRADBURY** (F.). A History of Old Sheffield Plate, being an Account of the Origin, Growth, and Decay of the Industry and of the Antique Silver and White or Britannia Metal Trade. With chronological Lists of Makers' Marks.

4to., *with frontispiece and a large number of illustrations from photographs; cloth,*

28 *BOTTAZZO, GIOANJACOPO.* Dialogi Maritimi. Et alcune Rime Maritime di M. Nicolo Franco, e d'altri diversi spiriti dell' Accademia de gli Argonauti. Mantua, Jacopo Ruffinelli, 1547. 8vo. 168 ll. Device on title. Vellum. £4.15.

A very rare little book containing three treatises (written in dialogue form) on matters relating to Navigation; while they have respectively the general titles of Geography, the Winds, and the Sphere, each is composed with a view to its being read by sailors ("Dialogi Maritimi"), and contains in concise form the knowledge then available under each of these heads for navigation purposes. According to the title of each dialogue, the hearing took place in the "Accademia de' Marinari."

Ff. 128 to the end contain verses on maritime subjects by Nicolo Franco, G. F. Arrivabene (whose work on the compass and the inventors of other naval instruments is announced on fol. 127), and others.

BONARDO, GIOVANNI MARIA. Le Ricchezze dell' Agricoltura. Venetia, F. & A. Fratelli, 1586. 8vo. 88 ll. With woodcut portrait. Stamped pigskin. Not seen by Pritzel.

Early Italian book on agriculture, horticulture and gardening. £—.15s.

41 *CARDANUS, HIERONYMUS.* Ars Magna, sive de Regulis Algebraicis. Nürnberg, Jo. Petreius, 1545. Fol. 82 leaves including last blank. Woodcut portrait on title. Old calf, worn. £21.

FIRST EDITION of Cardano's classic work, the foundation of modern Algebra.

Among many mathematical achievements here first announced in print some of the most revolutionary are the Solution of Cubic Equations, the confident use of roots of negative quantities and even of imaginary roots and quantities. This original edition of Cardano's most important contribution to the advance of science is of great rarity.

Bound with :

ARCHIMEDES. Opera nonnulla, a Fed. Commandino nuper in Latinum conversa et Commentariis illustrata. Venice, Aldus, 1558. Fol. With diagrams.

42 *CARDANUS, HIERON.* Liber de Libris Propriis. Lyons, Guil. Rouillius, 1557. 8vo. 192 pp. Device on title. Calf. £2.2.

See Bibliotheca Osleriana 4654, with note. This is the second, much enlarged version of the "De libris propriis," dated 1554, but not issued until 1557 with the short appendix on pp. 191-2. The first appeared in 1544 at the end of the "De Sapientia," and the third in 1562 in "Somniorum Synesiorum libri IV"; all three are reprinted as different works in the Opera, 1663.

Cardanus, learned in Philosophy and Medicine, is one of the most interesting personalities of the Italian Renaissance (b. 1501, d. 1575). He was a prolific writer, and his books include treatises in almost every department of philosophy and natural science, mathematics, astronomy, physics, medicine, divination, etc., etc. This little autobiographical work, dealing with the books he wrote and the studies he made, names a number of famous contemporaries in the world of philosophy and medicine, and on p. 110 we find Vesalius. Tear on p. 15 repaired.

1722

224. **Bry, H. D. von.** Sonderbahre und biszher verborgen-gewesene Geheime Künste wovon die erste genannt wird: Ort-Forschung, dadurch einer dem andere durch die freye Lufft über Wasser und Land von einem sichtbaren Orte zum andern, alle Heimlichkeiten offenbahren und in kurtzer Zeit zu erkennen geben kann. Die andere: Wasser-Harniseh, vermöge dessen jemand etliche Stunden, ohne Gefahr.... unter Wasser seyn und sein Vorhaben verrichten kan. Die dritte: Lufft Hosen, mit welchen man ohne Gefahr über die grösten Wasser gehen kan. Der vierdte: Schwimm-Gürtel. Franckfurt, 1722. W. 4 remarkable pl. sm. 8vo. boards. £ 110.–

The first work which treats of a scaphander (Wasser-Harnisch). A very remarkable and scarce little work.

- **BROMFIELD** (William). **An Account of the English Nightshades, and their Effects.** With the original Case of Dr. Lawbergen, as delivered in his inaugural Thesis. Also Practical Observations on the Use of **Corrosive Sublimate** . . . and some Hints offered to the Faculty, on the Cure of the **Lues Venerea** by the Secretion of Urine instead of Salivation.

With folding plate of the three types of Nightshades (coloured by hand as issued).

Scarce Original Edition.

12mo. Contemp. half calf (rebacked).

London: for R. Baldwin, 1757. **£15 15s**

Bromfield formed, with Mr. Martin Madan, the plan of the Lock Hospital for the treatment of venereal disease, to which he was appointed surgeon.

38 *BRIGGS, WILLIAM.* Ophthalmo-Graphia sive Oculi descriptio anatomica, nec non eiusdem Nova Visionis Theoria Regiae Societati Londinensi proposita. Leyden, P.v.d.Aa, 1686. 16mo. With frontispiece and 3 plates.

[10] **BICKHAM** (George). **The Universal Penman**; or, the Art of Writing.

Engraved frontispiece-portrait by H. Gravelot, title-pages, decorative dedication, and text engraved throughout by Geo. Bickham, many of the leaves having pictorial head-pieces including illustrations representing Gaming, Music, Commerce, London, etc.

Folio. Fine copy in full contemporary red morocco gilt, g.e. (rebacked).

London: for Robt. Sayer. [1743]. £35

With large bookplate of Cecil, Earl of Salisbury. Small repair to blank portion of last leaf, but a very attractive copy of a rare book.

1788(–1820)

262. **Beschrijving, Volledige**, van alle konsten, ambachten, handwerken, fabrieken, trafieken enz., ten deele overgenomen uit .... buitenlandsche werken. Dordrecht, 1788–1820. 24 vols. in 11. W. numerous pl. Hfcalf. / 150.-

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Very important publication for the knowledge of the arts and professions at the end of the 18th century.

Complete collections are very scarce.

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173 BLANCHARD and McKEAN. TUNELLING BY MACHINERY: description of perforators and plans of operations in mining and tunnelling, desired by Herman Haupt. 8vo, folding plates, original printed wrapper. 12/6 *H. J. Leisenning: Philadelphia* 1867

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[628] **BLAGDEN** (Sir Charles), 1748-1820. Secretary to the Royal Society. **Manuscript Notebook**, comprising Medical and Scientific observations, extending to eighty pages, entirely in his autograph. 8vo. Old half calf. Circa 1800.

£5

183 **Agriculture.**—General View of the Agriculture of the Counties of England, Wales and Scotland, *some with plates*, 4to, *unbound*, 7s 6d each, *as follows* :— [25]

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[277] **BLOME** (Richard) and **COX** (Nicholas). **The Gentleman's Recreation.**

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With numerous engraved plates, including four on Horsemanship, six on Hawking, twenty-two on Hunting, six on Fowling, three on Fishing, four on Agriculture, two on Music, five on Painting, etc.

First Edition.

Folio. Fine tall copy in original calf (joints repaired).

London: S. Roycroft, for Richard Blome, 1686. **£31 10s**

An extremely difficult book to find complete.

as a Specimen of Typography. 4to, numerous woodcuts by Henry Hole, original boards, skilfully repaired, uncut. £3 10 0

Printed by J. McCreery: Liverpool, 1803

** An important item in the history of typography. Straus and Dent, *John Baskerville* (1908), pp. 21 and 65; D.N.B. xii. 456. The beautiful types from which this book was printed were cut by the brother of Baskerville's foreman, William Martin. The D.N.B. remarks upon the typographic beauty, and Dibdin, for whom McCreery printed "Bibliomania," highly praises the printer-poet's work. The text is interesting, and "contains a few well-written notes upon the origin and development of the art of printing."—D.N.B. Timperley dwells upon the beauties of the poem, remarking upon the "general chasteness of language and a glowing love of freedom."

360 MACFARLANE (John) Antoine Verard. 4to, frontispiece showing a facsimile of a woodcut from "Politiques d'Aristote," 1489, many facsimiles of illustrations and type, original brown printed wrappers, uncut, unopened. £2 0 0

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362 MADAN (Falconer) The Early Oxford Press. A Bibliography of Printing and Publishing at Oxford "1468"-1640, with Notes, Appendices and Illustrations. 8vo, facsimiles, one in colour, inserted at end are three original specimens of printing, original blue cloth, t.e.g. £1 1 0

Clarendon Press: Oxford, 1895

363 MAINZER FRAGMENT VOM WELTGERICHT (Das). Der Canon Missae vom Jahre 1458. 4to, with 11 double-page illustrations of the Canon, and many other facsimiles. Original wrapper. £1 10 0

Mainz, 1904

364 [MAITTAIRE (Michael)] Historia Typographorum aliquot Parisiensium Vitas et Libro complectens, 2 vols. in 1. 8vo. Illustrated with facsimiles of devices, ornaments, etc., nice clean copy in old panelled calf. £5 10 0

Christopher Bateman: London, 1717

** FIRST EDITION. Brunet, Vol. III, p. 1328.

365 MALLINCKROT (Bernard von) De ortu ac progressu artis typographicae dissertatio historica, in qua praeter alia pleraque ad cal-

BEMESE (SIR RICHARDE DE) THE BOKE OF MEASURYNG OF LANDE as well of Woodland as Champaigne & pasture in the feddo: & to compt the true nombre of Acres of the same. Newly corrected, & compiled by Sir Richarde de Bemese. Black Letter, 23 long lines to a page, numerous diagrams sm. 8vo., modern wrappers. Imprynted at London, by Thomas Colwell (ca. 1562). RARE 30/-

Lacks title and last leaf of Preface & F2-F8, G1-G8 (last leaf), text slightly defective at fore-margins of two leaves, other fore-margins slightly frayed by damp, small wormhole at top margins. Except for imperfections mentioned, a large copy of this rare item.

318 TRADESMEN'S CARDS. HEAL (Ambrose) London Tradesmen's Cards of the Eighteenth Century. An account of their origin and use. 4to, illustrated by 102 full-page facsimiles in collotype, antique style boards, buckram back. AS NEW. £2 2 0

B. T. Batsford, Ltd.: London, 1925

** Limited to 700 copies. This is the first book to deal with its subject, the author has assidnously collected rare and interesting specimens of these cards, which together with others from the important collections in the London Museum, are reproduced for the first time in this work. In addition to giving the traders' names and address, and the nature of his calling, these finely engraved sheets of handmade paper are, more often than not, veritable works of art to whose fashioning such men as Hogarth, Kirk, Bartolozzi, Delegel, and many other artists have contributed. Apart from their artistic qualities, they possess marked historical and heraldic interest. To topographers and students of costume the value of the subjects is equally obvious, for by their aid it possible to identify the position of the shops of the eighteenth century tradesmen, and follow the change in fashion of the costume throughout the Georgian reigns.

311 SPORT. DAVIS (A[lexander]) THE VELOCIPEDE AN HOW TO USE IT. Sm. 8vo, wood engravings, modern wrapper. £2 5 0

Joseph Bruton for A .Davis: London, 1869

∴ FIRST EDITION. VERY RARE.

We have only been able to trace one other copy (British Museum). According to the printed catalogues it is not in the London Library, the National Library of Scotland, the Signet Library, Edinburgh University Library, Trinity College (Dublin), Rylands Library, or the Bibliothèque Nationale.

As the first pedal driven bicycle was constructed about 1865 (Encyc. Brit. VII., 683), THIS MUST BE ONE OF THE EARLIEST BOOKS ON THE SUBJECT.

29 *BOUGUER, PIERRE (& DE LA CONDAMINE).* La Figure de la Terre, déterminée par les Observations . . . au Pérou. Paris, 1749. 4to. 266 ll. + 9 plates. Old calf, gilt back. £4.4.

Original edition of this valuable treatise, which is almost contemporary with Clairaut's and Maupertuis' books, dealing with the same subject. Bouguer spent nearly 8 years in Peru (1735-1743) to measure the circumference of the earth near the equator. A monument erected in 1742 in the college of the Jesuits at Quito commemorates the end of the long and exact measurements.

[328] **HEPPLEWHITE (A.). The Cabinet-Maker and Upholsterer's Guide;** or, Repository of Designs for every Article of Household Furniture, in the newest and most approved taste; displaying a great variety of patterns for Chairs, Stools, Side Boards, Desk and Book-Cases, Library Cases and Tables, Tea Caddies, Wardrobes, Lamps, Pier Glasses, etc., etc., in the plainest and most enriched styles.
Containing 300 designs engraved on 128 plates.
Third and Best Edition.
Folio. Fine copy in contemporary calf (joints cracked).
London, 1794

£75

101 *HOGREWE, J. L.* Beschreibung der in England seit 1759 angelegten, und jetzt gröstentheils vollendeten schiffbaren Kanäle, zur innern Gemeinschaft der vornehmsten Handelstädte. Nebst einem Versuch einer Geschichte der inländischen Schiffahrt. Hannover, H. M. Pockwitz, 1780. 4to. 9 ll. + 164 pp. + 1 leaf. With vignette on title of a wharf at Birmingham and 10 fine folding engr. plates in colour, illustrating the geography and construction of English canals. Boards. £5.5.

This rare early book on Canals is divided into two sections: the first deals with the principles underlying the construction of these waterways and gives an account of canals in Russia, Sweden, Denmark, Germany, the Netherlands, France and Italy. The last part of the book (pp. 83-164) deals with English canals in detail, and all the 10 plates are devoted to maps and constructional details of these canals, e.g., Bridgewater, Oxford-Lichfield, Trent-Mersey, Liverpool-Leeds, Lincoln-Cambridge. These plates are splendidly engraved and appropriately and delicately coloured.

The author was a German engineer in the service of King George III. of England, to whom he dedicates this book. Fine copy.

THE FIRST SKETCH OF A THEORY OF THE EARTH

[333] **[HUTTON (James)]. Transactions of the Royal Society of Edinburgh.**

[Vols. 1, 3 and 4]. 4to. Covers missing. £7 10s

Edinburgh: for J. Dickson, 1788-98.

Vol. I contains the first appearance of Hutton's original sketch of a "Theory of the Earth" (pp. 209-304. Two plates). It also contains his "Theory of Rain" and Volumes 3 and 4 also contain pieces by him.

408 **Waterfalls.**—HERBINIUS (Joh.) Dissertationes de Admirandis Mundi Cataractis Supra et Subterraneis, earumque Principio, Elementorum circulatione, ubi eadem occasione Aestus Maris Reflui. *Amstelodami, Janssonio-Waesbergios,* 1678 £1 10s

Sm. 4to. Calf, shabby, back strip broken. Engraved title and many engraved plates in the text. Curious book on Waterfalls, Whirlpools, Canal Locks, etc.

[742] **HUTTON (James). Theory of the Earth,** with proofs and illustrations.

With six folding plates.

Excessively Rare First Edition.

2 vols. 8vo. Fine copy in original calf.

Edinburgh: for Messrs. Cadell, Junior, and Davies, 1795. £130

An epoch-making work, setting forth the author's revolutionary theories on geology, evolution and biology: "Hutton realised that the stratification of rocks and the embedding of fossils were processes which were still going on in sea, river and lake . . ."

BAIRD (D. G.). Dissertatio Medica inauguralis de usu et effectu Digitalis Purpureae.

Roy. 8vo. Fine copy bound in contemporary full red morocco decorative gilt border round sides, gilt panel back, silk end leaves with gilt borders, g.e.

Edinburgh: 1808. £3 3s

BEWICK'S FIRST ATTEMPTS AT WOOD ENGRAVING

[45] **HUTTON (Charles). A Treatise on Mensuration,** both in Theory and Practice.

First Edition.

Thick 4to. Old calf (old rebacking).

Newcastle upon Tyne: T. Saint for the Author, 1770. £6 10s

The diagrams in this book were Thomas Bewick's first attempts at wood-engraving, and in one of them he has introduced his favourite subject the celebrated steeple of St. Nicholas' Church, Newcastle. The book is scarce and is item No. 1 in Hugo's Bewick Collection. Some leaves browned.

566 **INCE AND MAYHEW.** The Universal System of Household Furniture. Consisting of above 300 Designs in the most elegant taste, both useful and Ornamental. Finely Engraved, in which the nature of Ornament & Perspective, is accurately exemplified. The Whole made convenient to the Nobility and Gentry in their choice, & comprehensive to the Workman, by directions for executing the several Designs, with Specimens of Ornament for Young Practitioners in Drawing.

Roy. folio, *text in English and French, with* 2 *engraved title-pages, engraved dedication, and* 101 *plates on* 95 *leaves; contemporary calf neatly repaired; Ince & Mayhew, Cabinet-Makers & Upholders, in Broad Street, Golden Square, London* (1762) £185 $740.00

A VERY TALL, AND FINE COPY OF AN EXTREMELY SCARCE WORK.

116 *KEPLER, JOHANN.* De Stella Nova in pede serpentarii, et qui sub ejus exortum de novo iniit, Trigono Igneo. Accesserunt I., De Stella incognita Cygni narratio Astronomica. II., De Jesu Christi Servatoris Vero Anno Natalitio. Pragae, Paulus Sessius and Francofurti, Wolfg. Richter, 1606. 8vo. 6 ll. + 212 pp. + 1 plate, 35 + 3 pp. Vellum. £12.12.

First edition. The new stars of 1572 (on which Brahe wrote his famous first book) and 1604, of which this book deals, are memorable in the history of astronomy for the extraordinary splendour with which they suddenly burst forth upon the world. The 1604 star was first seen by Kepler on the 17th of October in the constellation of Serpentarius. "Kepler was of opinion that it was generated from an ethereal substance, not confined exclusively to the region of the Milky Way, as Tycho Brahe had supposed in the case of the star of 1572, but pervading all space." (*Grant.*)

The book was printed partly at Prague, partly at Frankfort; the last part, often separately offered, deals with astronomical researches into the real date of Christ's birth. Library stamp on title.

117 *KEPLER, JOHANN.* Astronomia Nova, aitiologetos, seu Physica coelestis, tradita comment. de Motibus stellae Martis ex observationibus C. V. Tychonis Brahe. Prague, 1609. Fol. Title, 18 ll. + 2 ll. (table) + 337 pp. With numerous woodcut diagrams and illustrations. Old calf. £135.

Editio Prineeps of Kepler's greatest work, in which he first proclaimed the first and second of his three famous laws. A good and perfect copy; a few leaves slightly browned. Of outstanding rarity.

99 FIRE-EXTINGUISHING. KNOX (William) LETTER . . . RESPECTING THE IMPORTANT DISCOVERY LATELY MADE IN SWEDEN of a method to extinguish fire . . . and hints of means of preserving timber . . . from that destructive element. Sm. 8vo, frontispiece, wrapper. £1 5 0

For William Creech and P. Hill: Edinburgh, 1793

*** FIRST EDITION. Allibone, p. 1045.

120 *KUNST* und reeht *ALCHAMEIBUCHLIN* wie es dann die altenn practicirt haben. . . . Worms, Hans Meihel zum Lieehtensteyn, 1529. 8vo. 68 leaves. Vellum. £6.6.

Very early edition, printed at Worms, of this practical handbook for goldsmiths and metal-workers, containing chemical recipes for the preparation of colours (cinnabar, vermilion), many methods of gilding and coating with silver, copper, etc., the preparation of alloys and the grading of gold.

520 **LABELYE** (C. de) A Description of the Carriages made use of by Ralph Allen, Esq., to carry Stone from his Quarries situated on the top of a Hill to the Water-side of the River Avon, near the City of Bath. [1734.] Sm. 4to. Calf, broken. 3 engraved folding plates. In Desaguliers' *Course of Experimental Philosophy*, Vol I, pp. 274-279 and plts. 21-23, 1734. This is the FIRST DESCRIPTION OF A RAILWAY (the vague reference in Gray's Chorographia of 1649 cannot be said to be a description). Charles Labelye was an Engineer of whom very little is known but who in 1751 became the engineer for the new Westminster Bridge. The Railway itself was of wooden beams apparently partly embedded in the soil and without cross ties. The waggons, however, were evidently a great advance of anything in existence elsewhere. They were 13 ft. long and 3½ ft. wide on four iron wheels of 20 ins. in diameter, and with a 6 in. flange. The waggons cost £30 each. Brakes or stops were provided for each wheel. The brakes and the flanged wheels are two inventions which appear here for the first time in print. Whether either was used before is impossible to state with any certainty. Name on title

£3 10s

[1379] **HORSES. La Fosse.** Observations and Discoveries made upon Horses, with a New Method of Shoeing.
Folding engraved plates.
8vo. Original calf. London: 1755.

£2 10s

9 *AGRIPPA, CAMILLO.* Trattato di trasportar la Guglia in su la Piazza di San Pietro. Rome, Zanetti, 1583. 4to. 47 pp. and a fine large folding plate, showing the scaffolding and machinery used in erecting the obelisk in front of St. Peters.

AGRIPPA, CAMILLO. Modo di comporre il moto nella Sfera. Rome, Blado, 1575. 4to. 8 pp. and a large engraved folding plate, showing the mechanism of a Planetarium constructed by Agrippa.

AGRIPPA, CAMILLO. Dialogo sopra la Generatione de Venti, Baleni, Tuoni, Fulgori, etc. Rome, 1584. 4to. 46 pp. + 1 blank leaf.

PIGAFETTA, FILIPPO. Discorso intorno all'historia della Aguglia, et alla ragione del muoverla. Rome, Grassi, 1586. 4to. 36 pp. Together in one vol. Vellum. £6.6.

The feat of moving and erecting the huge Egyptian Obelisk, which in Roman days had stood in the Circus Maximus, into the centre of the Piazza of St. Peter's, involved the solution of a great mechanical problem in those days when steam and steel were both unknown. The question of how the Romans had done it and the achievement of the Papal engineers who completed the task, gave rise to a large monograph by Fontana and to several smaller treatises, of which we here have two. The fine plate shows clearly the immense scaffolding of timber and ropes erected for this purpose.

THE FIRST ENGLISH COUNTY HISTORY

[572] **NORDEN (John). Speculum Britanniae.** The first parte. An historicall, and chorographicall discription of Middlesex. Wherein are also alphabeticallie sett downe, the names of the cyties, townes, parishes, hamlets, howses of name, &c. With direction spedelie to finde anie place desired in the mappe and the distance betwene place and place without compasses.

Etched title-page with decorative border by Pieter Vanden Keere; three etched folding maps of Middlesex, London, and Westminster; etched and woodcut coats-of-arms in the text.

Rare First Edition.

Sm. 4to. Full calf, gilt inside borders.

[London], 1593. £25

Several small tears repaired in the maps, otherwise a very good copy.

Dedicated to Queen Elizabeth and with an Address to Lord Burleigh.

Norden was the first Englishman who designed a complete series of County histories, but he only succeeded in publishing the "Middlesex" (1593) and "Hertfordshire" (1596), although he finished in manuscript full surveys of five other counties.

The map of London is described as "the best plan of London in Shakespeare's time that has come down to us." It was re-published and enlarged, accompanied by an admirable essay, by Mr. H. B. Wheatley, for the New Shakespeare Society in 1877.

ONLY TWO COPIES LISTED

[573] ——— **The Surveyors Dialogue.** Divided into five Bookes; very profitable for all men to peruse, that have to do with the revenues of Land, the manurance, use, or occupation thereof, both Lords and Tenants: as also and especially for such as indevor to be seene in the faculty of surveying of Mannors, Lands, Tenements, &c.

Scarce First Edition.

Sm. 4to. Old half calf (joints cracked).

London: for Hugh Astley, 1607. £26

S.T.C. 18639, only two copies listed, namely those in the B.M. and Bodleian Libraries.

Title-page and some margins stained. Slight worming in some blank margins.

temporary limp vellum (corner of a few ll. water-stained, otherwise a fine copy), £3. 10*s*
Basileæ, apud Henricum Petrum, 1541

43 **K[EEPE] (H[enry],** *Inner Temple*) MONUMENTA WESTMONASTERIENSIA: or an historical Account of the Original, Increase, and present State of ST. PETER'S, or Abbey Church of WESTMINSTER, with all the Epitaphs, Inscriptions, Coats of Arms, etc. belonging to the Tombs and Grave-Stones, 8vo. *contemporary sheep (rebacked)*, £3. 3*s* 1682

'Keepe projected a splendid edition of this work, with copperplate engravings, on the plan of Dugdale's 'St. Paul's,' and he issued a printed prospectus to solicit subscriptions, but failing to obtain sufficient encouragement, be abandoned his design.'—*D.N.B.*

44 **KEMPIS (Thomas à)** De IMITANDO CHRISTO, contemnendisque Mundi Vanitatibus Libellus, Interprete SEBASTIANO CASTELLIONE, 12mo. *contemporary calf, with stamped ornament in centres (corners, etc. worn)*, £3. 10*s*
Basileæ, 1576

This Translation is (as the 'interpreter' explains in his preface) from the crude original Latin into a more polished one.

The improver (whose real name was Sébastien Chastillon), was at first a friend and then an opponent of Calvin, and only escaped the fate of Servetus by a timely death.

45 **LAMBARDE (William,** *author of 'A Perambulation of Kent'*) EIRENARCHIA: or, of the OFFICE of the IUSTICES of PEACE, gathered 1579, first published 1581, and now secondly reuised, corrected, and enlarged agreeably to the reformed commission of the Peace . . . , *printed partly in Gothic type, with marginal notes*, sm. 8vo. (pp. 600 + 86), *contemporary calf, with embossed blind stamp on sides (rebacked)*, £12. 12*s*
Ralph Newbery, 1592

At end is the Table of Statutes, Index, Precedents, and Processes, etc.

Lambarde, a bencher of Lincoln's Inn, was appointed a justice of the peace for Kent, and 'fulfilled his duties honourably, and expounded them in *Eirenarchia* . . . Written in a clear and unaffected style, this manual remained for a long time the standard authority.' (*D.N.B.*).

6 **MACHIAVELLI (Nicolo)** DISCOURSES upon the First Decade of T. LIVIUS, Translated out of the Italian, to which is added his PRINCE, with some Animadversions noting and taxing his Errors by E[DWARD D[ACRES], second Edition, much corrected and amended, *with portrait by R. White*, thick sm. 8vo. (pp. xxii + 686), *new sheep gilt*, £2. 15*s* 1674

[88] **NAPIER** (John). **Raddologia,** overo Arimmetica Virgolare in due libri divisa; con appresso un'expeditissimo prontuario della molteplications, and poi un libro di Arimmetica Locale. . . . tradottore dalla Latina nella Toscana lingua Il Cavalier Marco Locatello.

With six folding tables and diagrams.

Sm. 8vo. Original vellum. **£10**

Verona, appresso Angelo Tamo, 1623.

One leaf torn and repaired and small hole affecting a few letters.

Napier's "Rabdologiae," originally published in Edinburgh in 1617, is the earliest known attempt at the invention of a calculating machine.

"These rods, being usually made of bone or ivory, were familiarly called 'Napier's bones.' By means of them multiplication and division could be performed by methods which were received throughout Europe as a valuable aid to the rude arithmetic of the day. The extraction of the square and cube root could also be performed by their help, in conjunction with two larger rods, the method of constructing which is described. In an appendix (here 'Prontuario della Molteplicatione') he explains another invention for the performance of multiplication and division—'the most expeditious of all'—by means of metal plates arranged in a box. This is the earliest known attempt at the invention of a calculating machine. There is also added his 'Local Arithmetic,' wherein he describes how multiplication and division, and even the extraction of roots, may be performed on a chess board by the movement of counters."—D.N.B.

"This Italian translation is much rarer than the original Latin work."—Libri Catalogue.

52 [Monardes (Nicolas)]. Joyfull Newes of the New-Found Worlde: wherein are declared the rare and singular virtues of divers herbs, trees, plantes, oyles, and stones, with their application, as well to the use of Phisicke, as of Chirurgery; which being well applyed, bring such present remedy for all diseases, as may seem altogether incredible: notwithstanding by practice found out to be true. Also the portraiture of the said hearbs, very aptlie describ'd. Englished by John Frampton, marchant. Newly corrected as by conference with the old copies may appeare. Whereunto are added three other books treating of the bezaar stone, the herb escuerconera, the properties of iron and steel in medicine, and the benefit of snow. Sm. 4to, lace border round title, woodcuts and woodcut initials, last leaf slightly defective, old calf, sound copy. £45 0 0 *E. Allde for Bonham Norton: London,* 1596

See illustration on page 16.

53 [Monardes (N.)]. Joyful Newes out of the New-Found World. [*Another edition*]. Sm. 4to, numerous woodcut initials, etc., title in facsimile, lacks ff. 24 and 171-187, a few leaves repaired or discoloured, calf gilt, g.e. £16 0 0 *William Norton: London,* 1580

72 *FISHBOOK.—MANGOLT, GREGORIUS.* Von der natur und eigenschafft der Vischen, insonderheit deren so gefangen werdend im Bodensee. . . .—Item ein ander Büchlin wie man Visch und Vögel fahen sölle, mit dreyssig neuwen und bewärten Recepten. (*In the end*:) Getruckt zu Zürych. Zürich, (Froschauer? about 1550). 12mo. 70 pages. With twelve woodcuts, one for each month of the year, each showing two different fishes which are at their best in that season. Half vellum. £10.10.

An extremely rare little book on fishes by a Swiss author, who deals chiefly with those sweet-water fishes caught in the lakes of Constance and Zürich.

After a general chapter on fishes there is a chapter on their proper preparation for the table: (Wie man die visch kochen solle). Then follow the detailed and exact descriptions of different kinds of fish, with indications of the best way to serve each one.

The "Fischbuch" ends on p. 43 and is followed by the "Büchlin wie man Visch und Vögel fahen sölle" (pp. 44-46). This is a reprint of a very old book of advice on the best methods for fowling and fishing. According to the interesting note given to another edition of this book in Schwerdt's: Hunting, Hawking, Shooting, Vol. II., pp. 161-2, the oldest of all known printed versions is an edition in Flemish printed at Antwerp in 1492 and there are a number of German issues of the XVIth century, of which Schwerdt possesses and describes two. The first of those has only 27 recipes, as against 30 in this edition; in the other (Ein Wunder Kunstreiches Büchlin, ab. 1531), the text is followed by an appendix: "Zu welcher zeit ein jeder Fisch am besten ist." This forms part also of this edition and occupies pp. 67-70.

There does not appear to be another edition of Mangolt's Fischbuch, which is a remarkable

99 FIRE-EXTINGUISHING. KNOX (William) LETTER . . . RESPECTING THE IMPORTANT DISCOVERY LATELY MADE IN SWEDEN of a method to extinguish fire . . . and hints of means of preserving timber . . . from that destructive element. Sm. 8vo, frontispiece, wrapper. £1 5 0
For William Creech and P. Hill: Edinburgh, 1793
** FIRST EDITION. Allibone, p. 1045.

363 **LA MOTTE (P. H. de).** On the various Applications of Anastatic Printing and Papyrography. 8vo., *with frontispiece and* 13 *plates* (*numbered* 1-4, 6-8, 10, 12-16); *half morocco.* 1849 **£3 10s. $14.00**
VERY SCARCE. PLATES 5, 9, AND 11 MAY NEVER HAVE BEEN PUBLISHED.

[1415] **HUNTER (A.). Georgical Essays.**
8vo. Fine copy in orig. calf, gilt backs.
York: A. Ward, for J. Dodsley, 1777.
These Essays deal mainly with Agriculture.

87 FENS (The).—[LEAFORD (John)] SOME OBSERVATIONS MADE OF THE FREQUENT DROWNED CONDITION OF THE SOUTH LEVEL OF THE FENNS, and of the Works made for draining the same: With a Scheme for relieving that Level, *Printed in the Year of Our Lord*, 1740: The Result of a View of the Great Level of the Fens, taken at the Desire of the Duke of Bedford and the Gentlemen of the Corporation of the Fens in July, 1745, by Charles Labelye, Engineer, 1745, with a Third Work by Nathaniel Kinderley, being "The Ancient and Present State of the Navigation of the Towns of Lyne, Wisbeach, Spalding and Boston," 1751 £4 4s
Folding map of the Great Level.
The three publications bound in one volume, contemporary calf.

237 *PAPIN, DENYS.* Nouvel usage de la poudre à Canon; la Description d'une Machine inventée pour cet effet. La Description d'une Nouvelle Machine pour transporter la force des Rivières dans des lieux fort éloignez. *In*: Nouvelles de la République des Lettres. Amsterdam, 1688. 16mo. With one full-page illustration and a folding plate. Vellum. £3.3.
First editions of two memoirs sent to "Les Nouvelles de la République des Lettres" The engine of Papin, which is driven by explosions of gunpowder, is very similar to that described by Huygens.
The same book contains an extract of Papin's most famous book: "La Manière d'amollir les os" (the invention of the steam-pot), the second edition of which [Amsterdam, Henri Desbordes, 1688] is announced.

171 LEFEBURE. Aperçu Général des Mines de Houille exploitées en France, de leurs produits, et des moyens de circulation de ces produits. 8vo, folding engraved plate. Original pink boards, edges of leaves uncut, contemporary MS. notes in margins and with presentation inscription from the author (to the Director of Mines) on flyleaf. *Paris*, 1803 £4 0 0

*** Bound with: "Considérations relatives à la législation et à l'administration des mines," by Lefebure, 1804.

987 LEIGH (Valentine) The Most Profitable and Commendable Science of Surveying of Lands, Tenementes and Hereditamentes. £5 5s.
London, J. Windet for R. Dexter, 1592

Sm. 4to, unbd., some blank margins wormed, large and sound copy, with the 4 large folding tables (one of which is defective), also a stub of a duplicate one at end, probably cancelled: has blank for A1. Device of Dexter at end (McKerrow 257): **black letter.** Not in Sayle. Haz. II. 340. "2 folded leaves."

THE INVENTION OF THE SEWING MACHINE.

164 *MADERSPERGER, JOS.* Beschreibung einer Nähmaschine.—(Vienna, 1814).—8vo. Copperplate figure of the Sewing Machine and 14 pages of explanatory text in German.—Boards. £12.12.

The first picture of a sewing-machine and very probably of the first sewing machine which ever actually was constructed and worked satisfactorily. Madersperger, the inventor, was a native of Kufstein in Tyrol, as he states in this practically unknown pamphlet.

The first sewing-machines by I. M. Singer were not constructed and put on the market before 1851, and they are the first which made the invention common property. The history of various antecedent attempts and constructions seems to be rather involved and obscure as far as we could ascertain. A patent for a sewing machine was granted in England as early as 1755 to Ch. F. Weisenthal, but nothing much is known about it; a machine patented by Thos. Saint in England in 1790 was intended for bootmaking only. The earliest sewing-machine in America was constructed by the Rev. John A. Dodge at Monckton (N.J.) in 1818, but in view of the furious opposition of the journeymen tailors he never made another.

This sewing-machine by Madersperger received an Imperial Austrian privilege (= patent) and was undoubtedly working in 1814. Its construction is in principle the same as a modern machine and it was capable of producing a great variety of plain and very complicated stitches (e.g., scallop-edging).

THE EARLIEST PICTURE OF A TELESCOPE.

136 *MARIUS, SIMON.* Mundus Jovialis anno 1609 detectus ope perspicilli belgici, hoc est quatuor Jovialium planetarum cum Theoria, tum Tabulae, propriis observationibus maxime fundatae . . . Nürnberg, 1614. 4to. 38 leaves (the last blank). With a fine woodcut portrait of the author showing his Telescope (perspicillum) lying beside him. Boards. £35.

The original edition of Marius on his discovery of the Satellites of Jupiter is one of the greatest rarities among all books in the field of old science.

Its importance is threefold: (1) It contains the earliest known pictorial representation of a telescope;

(2) In his Preface Marius gives a circumstantial account of his acquisition of this telescope from a Dutchman at the Frankfurt Fair of 1608; this very probably may have been Zach. Janssen of Middelburg, who is said to have constructed a telescope in 1604, or Jan Lipperhey, who in 1608 applied to the States General for a patent for telescopes. Galilei constructed his first telescope himself in 1609 from descriptions given to him of these Dutch instruments;

(3) The account and observations of the satellites of Jupiter, the first discovery immediately made with these telescopes, for which Marius claims the priority against Galilei and other rivals.

[833] **HUSBANDRY. LISLE** (Edward). **Observations in Husbandry.**
Engraved portrait.
First Edition.
4to. Orig. calf, gilt back (one joint little cracked).

628 **LODDIGES** (**Conrad**) **and SONS :** The BOTANICAL CABINET : Coloured Delineations of Plants from all Countries, with Account of each, Directions for Management, etc., etc., LARGE PAPER COPY, *with* 1959 (*of* 2000) *delicate plates engraved by G. Cooke*, ALL MOST BEAUTIFULLY COLOURED BY HAND, 20 vols. sm. 4to. *half red roan boards*, UNCUT (*vv.* 17 *and* 18 *imperfect—see below*), **very rare**, £84. 1818-33

This delightful work is in FINE FRESH STATE, but lacks 40 pages of text and 41 plates, *viz :* plates and text to Nos. 1641-60 and 1681-90 in vol. 17 ; and plates and text to Nos. 1771-80 and plate 1735 in vol. 18. Plates 1981, 4, 5, 91, 95 and 2000 in vol. 20 are from a shorter copy. The last 7 vols. are a little shorter than the rest, and the binding of vol. 15 is not uniform.

One of the most beautiful botanical works ever issued, published by the celebrated florists of Hackney, whose gardens have long since been devoured by the builder. For both beauty and correct colouring the series has never been rivalled.

199 HATS. LLOYD (R.) DISSERTATIO CASTORUM : Delineations of Lloyd's Incomparable Beaver Hats. 8VO, NUMEROUS WOODCUTS OF HATS. Wrapper. 15/- *Robert Lloyd, at his Hat Manufactory : London*, 1830

137 *MATTHEW, PATRICK.* On Naval Timber and Arboriculture. London, 1831. 8vo, xvi + 391 pp. Original cloth, with original paper label and 16 pp. of advertisements. £10.10.

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